



Aug 13, 2013 - Present

# 21ST CENTURY LEARNING



A research report from *Adobe Education* notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate."

21st Century Learning requires organizations to meet the current requirements of our standardized tests while also striving to achieve the 4Cs: communication, collaboration, creativity, and critical thinking. The skills needed for success in college and career are becoming increasingly complex, and schools must rise to meet new demands.

New academic standards and accountability measures across the nation have broadened the classroom experiences required for proficiency. As expectations rise, students are struggling to keep up. This trend is evidenced by falling preliminary assessment scores across the nation. Traditional instruction may be to blame. In their recent investigation of 21st Century Learning, *National Academies Press* found that rote learning does not support the educational transfer necessary to tackle the complex problems demanded by intensified academic standards. Students must be exposed to unfamiliar problems and encouraged to design meaningful solutions. Technology is a tool for such problem solving. A national *Walden University* study reports that teachers who use technology frequently place the highest emphasis on problem solving.

In addition to meeting traditional academic standards, students must also be prepared to tackle the demands of a modern world and modern workforce. A research report from *Adobe Education* notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate." According to a report from the *Partnership for 21st Century Skills*: "Many of the fastest-growing jobs and emerging industries rely on workers' creative capacity - the ability to think unconventionally, question the herd, imagine new scenarios, and produce astonishing work." Technology assists with this type of capability. *Pew* reports that 76% of Advanced Placement and National Writing Project teachers believe that digital tools such as the Internet, social media, and cell phones "encourage student creativity and personal expression." In addition, the National Writing Project reports that the creation and consumption of multimedia increases the likelihood of deeper learning and longer skill retention.

Technology is a key driver towards instruction that impacts student learning outcomes, both on standardized assessments and for 21st Century Learning skills. Students must have regular opportunities to engage in the 4Cs. In addition, they must have access to the instant feedback enabled by digital assessment and customized assistive technology. Being aware of the classroom setting and the typical learning experiences afforded to students in your organization is the first step towards the cultivation of 21st Century Learning.

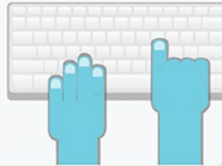
**43%**

of students are asked to collaborate online with classmates at least monthly



**24%**

of students are asked to write online at least monthly



**45%**

of students are asked to identify and solve authentic problems using technology at least monthly



**26%**

of teachers ask their students to complete online assessments at least monthly



**76%**

of teachers spend less than 3 hours per year teaching digital citizenship



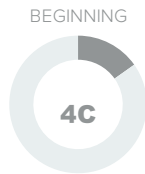
**51%**

of your teachers who use assistive technology use it with students at least monthly

## Contributing Factors

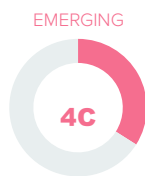
The factors that most contribute to the success of your organization include ...

### TEACHER USE OF THE 4CS



Historical data will appear here once you have collected year-over-year data.

### STUDENT USE OF THE 4CS



Historical data will appear here once you have collected year-over-year data.

### TEACHER DIGITAL CITIZENSHIP



Historical data will appear here once you have collected year-over-year data.

### STUDENT DIGITAL CITIZENSHIP



Historical data will appear here once you have collected year-over-year data.

### CASE™ Score Legend

● Beginning

● Emerging

900-999

● Proficient

1000-1099

● Advanced

1100-1199

● Exemplary

1200-1300

ASSESSMENT

EMERGING



Historical data will appear here once you have collected year-over-year data.

ASSISTIVE TECHNOLOGY

EMERGING



Historical data will appear here once you have collected year-over-year data.

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# 21ST CENTURY LEARNING REPORT

## ALLEGHENY IU 3

CLASSROOM  
ACCESS  
SKILLS  
ENVIRONMENT

### SCHOOL SCORECARD

	Student Use of the 4Cs	Teacher Use of the 4Cs	Assessment	Assistive Technology	Student Digital Citizenship	Teacher Digital Citizenship
Allegheny Valley Sd						
Acmetonia Primary School	●	●	●	●	●	●
Colfax Upper El School	●	●	●	●	●	●
Springdale Jshs	●	●	●	●	●	●
Avonworth Sd						
Avonworth Elementary School	●	●	●	●	●	●
Avonworth High School	●	●	●	●	●	●
Avonworth Middle School	●	●	●	●	●	●
Bethel Park Sd						
Abraham Lincoln Elementary School	●	●	●	●	●	●
Benjamin Franklin Elementary School	●	●	●	●	●	●
Bethel Memorial Elementary School	●	●	●	●	●	●
Bethel Park High School	●	●	●	●	●	●
George Washington Elementary School	●	●	●	●	●	●
Independence Middle School	●	●	●	●	●	●
Neil Armstrong 5 6 Middle School	●	●	●	●	●	●
Brentwood Borough Sd						
Brentwood Ms	●	●	●	●	●	●
Brentwood Shs	●	●	●	●	●	●
Elroy Ave. Elementary School	●	●	●	●	●	●
Moore School	●	●	●	●	●	●
Chartiers Valley Sd						
Chartiers Valley Hs	●	●	●	●	●	●
Chartiers Valley Intrmd School	●	●	●	●	●	●
Chartiers Valley Ms	●	●	●	●	●	●

Clairton City Sd						
Clairton El School	●	●	●	●	●	●
Clairton Ms/Hs	●	●	●	●	●	●
Elizabeth Forward Sd						
Central Elementary	●	●	●	●	●	●
Elizabeth Forward Middle	●	●	●	●	●	●
Mt. Vernon Elementary	●	●	●	●	●	●
William Penn Elementary	●	●	●	●	●	●
Gateway Sd						
Dr. Cleveland Steward Jr. Elementary	●	●	●	●	●	●
Evergreen Elementary	●	●	●	●	●	●
Gateway Middle	●	●	●	●	●	●
Gateway Senior High	●	●	●	●	●	●
Moss Side Middle	●	●	●	●	●	●
Ramsey Elementary	●	●	●	●	●	●
University Elementary	●	●	●	●	●	●
Hampton Township Sd						
Central El School	●	●	●	●	●	●
Hampton Hs	●	●	●	●	●	●
Hampton Ms	●	●	●	●	●	●
Poff El School	●	●	●	●	●	●
Wyland El School	●	●	●	●	●	●
North Allegheny Sd						
Bradford Woods Elementary	●	●	●	●	●	●
Carson Middle	●	●	●	●	●	●
Franklin Elementary	●	●	●	●	●	●
Hosack Elementary	●	●	●	●	●	●
Ingomar Elementary	●	●	●	●	●	●
Ingomar Middle	●	●	●	●	●	●
Marshall Elementary	●	●	●	●	●	●
Marshall Middle	●	●	●	●	●	●
Mc Knight Elementary	●	●	●	●	●	●
North Allegheny lhs	●	●	●	●	●	●
North Allegheny Shs	●	●	●	●	●	●

Peebles Elementary	●	●	●	●	●	●
Penn Hills Sd						
Forbes Elementary	●	●	●	●	●	●
Linton Middle	●	●	●	●	●	●
Penn Hebron Elementary	●	●	●	●	●	●
Penn Hills Shs	●	●	●	●	●	●
Washington Elementary	●	●	●	●	●	●
Pine Richland Sd						
Eden Hall Upper El School	●	●	●	●	●	●
Hance El School	●	●	●	●	●	●
Pine Richland Hs	●	●	●	●	●	●
Pine Richland Ms	●	●	●	●	●	●
Richland El School	●	●	●	●	●	●
Wexford El School	●	●	●	●	●	●
Plum Borough Sd						
Center Elementary School	●	●	●	●	●	●
Holiday Park Elementary	●	●	●	●	●	●
Oblock Junior High School	●	●	●	●	●	●
Pivik Elementary	●	●	●	●	●	●
Plum Senior High	●	●	●	●	●	●
Regency Park Elementary	●	●	●	●	●	●
Stevenson Elementary	●	●	●	●	●	●
Quaker Valley Sd						
Edgeworth Elementary	●	●	●	●	●	●
Osborne Elementary	●	●	●	●	●	●
Quaker Valley High	●	●	●	●	●	●
Quaker Valley Middle	●	●	●	●	●	●
South Fayette Township Sd						
South Fayette Middle	●	●	●	●	●	●
West Allegheny Sd						
Donaldson Elementary	●	●	●	●	●	●
Mckee Elementary	●	●	●	●	●	●
West Allegheny High	●	●	●	●	●	●



West Allegheny Middle	●	●	●	●	●	●
Wilson Elementary	●	●	●	●	●	●
West Jefferson Hills Sd						
Gill Hall Elementary School	●	●	●	●	●	●
Jefferson Elementary School	●	●	●	●	●	●
Mc Clellan Elementary School	●	●	●	●	●	●
Pleasant Hills Middle School	●	●	●	●	●	●
Thomas Jefferson High School	●	●	●	●	●	●
Woodland Hills Sd						
Dickson Elementary	●	●	●	●	●	●
Edgewood Elementary	●	●	●	●	●	●
Fairless Elementary	●	●	●	●	●	●
Shaffer Elementary	●	●	●	●	●	●
Wilkins Elementary	●	●	●	●	●	●
Woodland Hills Academy	●	●	●	●	●	●
Woodland Hills Junior High	●	●	●	●	●	●
Woodland Hills Senior High	●	●	●	●	●	●

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